AMENDMENT TO THE CLAIMS

Please replace the presently pending claims with the following amended claims:

1-21.   (Cancelled)

21. (Currently amended)   Data transmission method in a radio communication network comprising:

-      at least one base station; and

-      at least one terminal adapted to individually and periodically transmit binary information on an uplink radio channel, to at least one of the ~~said~~ base stations called the first base station,

wherein the method comprises:

-      transmitting <u>at least one bit, called</u> first <u>binary</u> information through the radio channel for controlling ~~the~~ transmission power of the ~~said~~ first base station; and

-      transmitting <u>at least one bit, called</u> second <u>binary</u> information through the radio channel designed to a purpose other than controlling the <u>transmission</u> power of the ~~said~~ first base station,

<u>at least one of said first or second binary information being transmitted individually and periodically such that two consecutive binary information are never assigned to a purpose other than controlling the power of the first base station, and</u>

said second <u>binary</u> information being inserted among said first <u>binary</u> information.

22. (Currently amended)   Method according to claim 21, wherein the ~~said~~ first base station manages at least one mobile telecommunication network cell.

23. (Currently amended)   Method according to claim 21, wherein the ~~said~~ first base station sends at least one part of the ~~said~~ received second <u>binary</u> information to a

communication equipment capable of transmitting data to the ~~said~~ terminal, and wherein the ~~said~~ communication equipment processes the ~~said~~ at least one part of the ~~said~~ second <u>binary</u> information.

24. (Currently amended) Method according to claim 23, wherein when the ~~said~~ communication equipment is in communication with the ~~said~~ terminal, it adjusts the data radio transmission power to be sent to the ~~said~~ terminal as a function of the result of the ~~said~~ processing.

25. (Currently amended) Method according to claim 23, wherein the ~~said~~ communication equipment communicates with the ~~said~~ terminal on a single directional channel used to transmit data from the ~~said~~ communication equipment to the ~~said~~ terminal.

26. (Currently amended) Method according to claim 23, wherein the ~~said~~ communication equipment is adapted to sending data using a multiple carrier modulation.

27. (Currently amended) Method according to claim 23, wherein the ~~said~~ communication equipment supports communications according to a protocol compatible with the HIPERLAN/2 standard and / or the IEEE 802.11 standard.

28. (Currently amended) Method according to claim 23, wherein the ~~said~~ equipment is a base station distinct from the ~~said~~ first base station.

29. (Currently amended) Method according to claim 23, wherein the ~~said~~ equipment is a terminal.

30. (Currently amended) Method according to claim 21, wherein the ~~said~~ other purpose comprises controlling the transmission power of a base station distinct from the ~~said~~ first

base station.

31. (Currently amended)   Method according to claim 21, wherein the ~~said~~ other purpose includes acknowledgement of data transmitted by a base station to the ~~said~~ terminal on a radio channel, the ~~said~~ acknowledgement indicating whether or not data were correctly received by the ~~said~~ terminal.

32. (Currently amended)   Method according to claim 21, wherein the ~~said~~ other purpose is one of the purposes selected from the group consisting of:

-       data transmissions to a base station distinct from the ~~said~~ first base station;

-       management of time slaving between a base station and the ~~said~~ terminal;

-       management of frequency slaving between a base station and the ~~said~~ terminal; and

-       control of the data flow sent to and / or from the ~~said~~ terminal.

33. (Currently amended)   Method according to claim 21, wherein bit positions of the ~~said~~ first and second <u>binary</u> information are predetermined.

34. (Currently amended)   Method according to claim 21, wherein bit positions of the ~~said~~ first and second <u>binary</u> information are determined dynamically.

35. (Currently amended)   Method according to claim 21, wherein the ~~said~~ second <u>binary</u> information represents not more than 10% of the ~~said~~ binary information.

36. (Currently amended)   Method according to claim 35, wherein the ~~said~~ second <u>binary</u> information represents not more than 1% of the ~~said~~ binary information.

37. (Currently amended)   Terminal adapted to individually and periodically transmit

binary information on an uplink radio channel to a base station called the first base station in a radio communication network, wherein the terminal is adapted to:

distinguish and insert among said binary information:

- at least one bit, called first binary information for controlling the transmission power of the said first base station; and

- at least one bit, called second binary information designed to a purpose other than the said control of the power of the said first base station,

at least one of said first or second binary information being transmitted individually and periodically such that two consecutive binary information are never assigned to a purpose other than controlling the power of the first base station, and

said second binary information being inserted among said first binary information.

38. (Currently amended)   A base station in a cellular network, adapted to individually and periodically receive binary information on an uplink radio channel from a terminal, wherein the base station is adapted to distinguish and extract among said binary information:

- at least one bit, called first binary information for controlling the transmission power of the said first base station; and

- at least one bit, called second binary information designed to a purpose other than controlling the power of the said first base station,

at least one of said first or second binary information being transmitted individually and periodically such that two consecutive binary information are never assigned to a purpose other than controlling the power of the first base station, and

said second binary information being inserted among said first binary information.

39. (Cancelled)